

## METHODS AND DEVICES FOR BINARY OBJECT SERIALIZATION

### ABSTRACT OF THE INVENTION

Methods and devices for data serialization are described. Numbers are  
5 each encoded as one or more four-bit nibbles. Three bits of a nibble are for  
encoding some portion of a number and one bit of the nibble is for indicating  
whether encoding of the number is continued to another nibble. A begin  
command and an end command are used to bracket and thereby group  
selected nibbles. The numbers and the commands are serialized in a stream.  
10 An interpreter of the stream reads the numbers into data fields of a data object  
starting at the begin command. The interpreter automatically skips to the end  
command when the data fields are filled. As such, a newer version of an  
interpreter can read data serialized using an older version of an encoder, and  
an older version of an interpreter can read data serialized using a newer  
15 version of an encoder.